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10/698,811	10/30/2003	Sumit Roy	200313238-1	2434
22879 7590 07/16/2008 HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400				
EXAMINER JOHNSON, CARLTON				
ART UNIT 2136		PAPER NUMBER		
NOTIFICATION DATE 07/16/2008		DELIVERY MODE ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/698,811

Applicant(s)

ROY ET AL.

Examiner

CARLTON V. JOHNSON

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This action is responding to application papers filed **10-30-2003**.
2. Claims **1 - 40** are pending. Claims **1, 9, 14, 25, 28, 36** are independent.

Response to Arguments

3. Applicant's arguments filed 5/9/2008 have been fully considered.
- 3.1 Applicant argues that the referenced prior art does not disclose a rejection consistent with more than one reference.

Examiner has considered applicant's argument concerning the 102 anticipation rejection and the argument was persuasive. New 103 grounds of rejection have been entered based on Janik (20020013852) in view of Schaeck (20030163513).

No additional arguments or amendments to claims have been presented by applicant. The responses supplied in the previous Office Action have been included for reference.

3.2 Previous Responses:

The Janik and Schaeck prior art combination discloses a portal system with the capability to identify and select a particular service provider (for a particular resource). (see Schaeck paragraph [0020], lines 5-13: identifying the type of service to be performed, enabling selection of service provider)

The Janik prior art discloses the capability to process content (perform operations

equivalent to a service processing content). (see Janik paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content) And, the Janik prior art discloses processing content to generate a streaming application of media content entity such as a video. The Janik and Schaeck prior art combination discloses a service provider with the capability to process content as per claim limitation. (see Schaeck paragraph [0053], lines 6-10; paragraph [0053], lines 15-20: selection of provider for selected resource (service))

The Janik prior art is a delivery system for digital content utilizing the Internet communications environment. The Janik prior art performs requested services. In order to perform the service, the type of service to be performed must be identified first and a service provider identified second, then the service can be performed utilizing the digital content.

The term Identifying is defined as, *"to establish the identity of"*, and identity is defined as, *"with the designation of a parameter whereby information, such as an identification number, used to establish or prove individuality"*.
(<http://www.answers.com/topic/identify>; <http://www.answers.com/identity?cat=health>)

The Janik prior art discloses servers (service providers of a service) for the processing of digital content. The service providers are the designated servers identified for the delivery of content to users (clients). A URL or an IP address designation identifies (identifying) the service providers. (see Janik paragraph [0074], lines 5-11: URL, IP address, identification parameters for server (service provider))
The Janik prior art discloses and identifies the provider of a service.

In addition, the Janik and Schaeck prior art combination specifically discloses a portal system with the capability to identify and select a particular service provider (for a particular resource). (see Schaeck paragraph [0020], lines 5-13: identifying the type of service to be performed, enabling selection of service provider)

The Janik prior art discloses the presentation (processing audio, video content for delivery) and organization of content based on its file type (MP3, MPEG). (see Janik paragraph [0076], lines 1-4: type of service (content preparation) based on content type; paragraph [0109], lines 1-4: content preparation, decoding, encoding) In addition, the delivery of content is a type of service provided by a server (service provider). The Janik prior art discloses identifying the type of service performed on the digital content.

In addition, the Janik prior art discloses identification (identifying) parameters for the content processed by the servers (service providers). (see Janik paragraph [0074], lines 1-5: content identifiers, graphical icons on display screen designate particular content items) And, the Janik prior art discloses a request from a client (user) for access to content. (see Janik paragraph [0037], lines 1-4; paragraph [0073], lines 17-24: selection via graphical icon, selection (request) for access to content)

The Janik prior art discloses a portal that is equivalent to a service location manager. The Janik prior art portal is an access point for clients to access the content and services that are located on a distributed set of servers (service providers) within the Internet communications environment. The Janik prior art discloses that the portal is an intermediary system between the servers (service providers) and the clients. (see

Janik paragraph [0073], lines 21-24; paragraph [0074], lines 11-14; paragraph [0084], lines 12-17: portal, selection (request) of content from Internet (service providers, servers) by clients) The selection of content is via an icon selection (request) on a graphical user interface for content by a client (user). (see Janik paragraph [0073], lines 17-24; paragraph [0074], lines 5-11: content selection (request) via graphical icons)

After an additional analysis of the applicant's invention, remarks, and a search of the available prior art, it was determined that the current set of prior art consisting of Janik (20020013852) discloses the applicant's invention.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims **1 - 40** are rejected under 35 U.S.C. 103 (a) as being unpatentable over **Janik et al.** (US PG PUB No. **20020013852**) in view of **Schaeck et al.** (US PG PUB No. **20030163513**).

With Regard to Claims 1, 28, 36, Janik discloses a method of servicing content for delivery to a client device, a computer-usable medium having computer-readable

program code embodied therein for causing a computer system to perform a method for servicing content for delivery to a client device, a computer-usable medium having computer-readable program code embodied therein for causing a computer system to perform a method for servicing content for streaming to a client device said method comprising:

- c) providing information for establishing communication between said client device and said provider, wherein communication with said client device is redirected from said portal to said provider. (see Janik paragraph [0074], lines 5-11: portal system; paragraph [0085], lines 5-13; paragraph [0084], lines 12-17: provide information to establish communication between server and client (i.e. data flow between clients and content server; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product; paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content)

Janik discloses identifying a service to be performed on an item of content, said item of content identified in a request from said client device, said request received at a portal. (see Janik paragraph [0073], lines 19-24; paragraph [0074], lines 1-14: portal service for user requests; paragraph [0096], lines 3-5; paragraph [0098], lines 1-4: service (i.e. type, access content) requested; paragraph [0084], lines 12-17: identify server (i.e. provider) for flow of information (i.e. data flow, content); paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product)

In addition, Schaeck discloses:

- a) identifying a type of service to be performed on an item of content; (see Schaeck paragraph [0020], lines 5-13: identifying type of service to be performed; paragraph [0086], lines 3-6; paragraph [0087], lines 8-16; paragraph [0088], lines 1-8: software, computer product)
- b) identifying a provider of said type of service; (see Schaeck paragraph [0053], lines 6-10; paragraph [0053], lines 15-20: selection of provider for selected resource (service); paragraph [0086], lines 3-6; paragraph [0087], lines 8-16; paragraph [0088], lines 1-8: software, computer product)

It would have been obvious to one of ordinary skill in the art to modify Janik as taught by Schaeck to enable the capability identify a service, and select a service provider for service processing. One of ordinary skill in the art would have been motivated to employ the teachings of Schaeck in order to enable the capability for transparent access by service requesters to remote location services. (see Schaeck paragraph [0012], lines 1-6: “ ... *The goal of web services is to provide service requesters with transparent access to program components which may reside in one or more remote locations, even though those components might run on different operating systems and be written in different programming languages than those of the requester ...* ”)

With Regard to Claims 2, 10, 29, 37, Janik discloses the method, computer-usable medium of claims 1, 9, 28, 36 further comprising: sending said information to said client device, wherein said client device and said provider transparently establish

communication. (see Janik paragraph [0084], lines 12-17; paragraph [0074], lines 11-14: system control application controls (i.e. establishment, transparently) flow of information between server and client; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product; paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content)

With Regard to Claims 3, 19, 30, Janik discloses the method, computer-usable medium of claims 1, 14, 28 further comprising: identifying a source of said item of content, wherein data for said item of content is streamed to said provider from said source and wherein service result data is streamed from said provider to said client device. (see Janik paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content from server (i.e. provider) to client; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product; paragraph [0082], lines 16-18: content source; paragraph [84], lines 15-17: storage gateway, content provider to client) In addition, Schaeck discloses wherein identifying a source of said item of content. (see Schaeck paragraph [0020], lines 5-13: identify particular service provider (link between portal and resource (service provider); paragraph [0086], lines 3-6; paragraph [0087], lines 8-16; paragraph [0088], lines 1-8: software, computer product)

It would have been obvious to one of ordinary skill in the art to modify Janik as taught by Schaeck to enable the capability identify a service, and select a source or service provider for service processing. One of ordinary skill in the art would have been motivated to employ the teachings of Schaeck in order to enable the capability for

transparent access by service requesters to remote location services. (see Schaeck paragraph [0012], lines 1-6)

With Regard to Claims 4, 20, 31, Janik discloses the method, computer-usable medium of claims 1, 14, 28, wherein said type of service is identified according to information provided in said request from said client device. (see Janik paragraph [0120], lines 1-3: request processing; paragraph [0108], lines 4-13; paragraph [0109], lines 1-4: determination types of services required to process content request; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product)

With Regard to Claims 5, 17, 32, Janik discloses the method, system, computer-usable medium of claims 1, 14, 28 wherein a source of said item of content is identified according to information provided in said request from said client device. (see Janik paragraph [0074], lines 5-11: portal system; paragraph [0120], lines 1-13: request provide information concerning content; paragraph [0085], lines 5-13; paragraph [0084], lines 12-17: provide information to establish communication between server and client (i.e. data flow between clients and content server))

With Regard to Claims 6, 11, 22, 33, 38, Janik discloses the method, system, computer-usable medium of claims 1, 9, 14, 28, 36 wherein said service is continuously executed by said provider. (see Janik paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery, continuous execution of content; paragraph [0071], lines 3-

8; paragraph [0072], lines 1-6: software, computer product)

With Regard to Claims 7, 12, 34, 39, Janik discloses the method, computer-usable medium of claims 1, 9, 28, 36 wherein startup of said service occurs in response to said client device establishing communication with said provider. (see Janik paragraph [0096], lines 3-5; paragraph [0120], lines 1-13: client request, request processing, service in response to request; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product; paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content)

With Regard to Claims 8, 13, 35, 40, Janik discloses the method, system, computer-usable medium of claims 1, 9, 28, 36 further comprising: causing startup of said service subsequent to identifying said provider and before said client device establishes communication with said provider. (see Janik paragraph [0159], lines 15-25: service setup; paragraph [0160], lines 1-7: communications setup between client and server; paragraph [0071], lines 3-8; paragraph [0072], lines 1-6: software, computer product; paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content)

With Regard to Claim 9, Janik discloses a method of servicing content for streaming to a client device, said method comprising:

- c) providing information for establishing communication between said client device and said provider, wherein communication with said client device is redirected

from said portal to said provider, wherein data for said item of content is streamed to said provider from a source of said item of content (see Janik paragraph [0074], lines 5-11: portal system; paragraph [0085], lines 5-13; paragraph [0084], lines 12-17: provide information to establish communication between server and client (i.e. data flow between clients and content server) and

d) wherein service result data is streamed from said provider to said client device. (see Janik paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content)

Janik discloses identifying a service to be performed on an item of content, said item of content identified in a request from said client device, said request received at a portal. (see Janik paragraph [0073], lines 19-24; paragraph [0074], lines 1-14: portal service for user requests; paragraph [0096], lines 3-5; paragraph [0098], lines 1-4: service (i.e. access content) requested)

In addition, Schaeck discloses:

- a) identifying a type of service to be performed on an item of content, said item of content identified in a request from said client device, said request received at a portal; (see Janik paragraph [0073], lines 19-24; paragraph [0074], lines 1-14: portal service for user requests; paragraph [0096], lines 3-5; paragraph [0098], lines 1-4: service (i.e. access content) requested)
- b) identifying a provider of said type of service; (see Schaeck paragraph [0053], lines 6-10; paragraph [0053], lines 15-20: selection of provider for selected resource (service); paragraph [0086], lines 3-6; paragraph [0087], lines 8-16;

paragraph [0088], lines 1-8: software, computer product)

It would have been obvious to one of ordinary skill in the art to modify Janik as taught by Schaeck to enable the capability identify a service, and select a service provider for service processing. One of ordinary skill in the art would have been motivated to employ the teachings of Schaeck in order to enable the capability for transparent access by service requesters to remote location services. (see Schaeck paragraph [0012], lines 1-6)

With Regard to Claim 14, Janik discloses a system for providing content to a client device, said system comprising: a service manager for receiving a request for an item of content from a portal (see Janik paragraph [0073], lines 19-24; paragraph [0074], lines 1-14: portal service for user requests), wherein said portal received said request from said client device, said service manager also for a provider of a type of service to be performed on said item of content (see Janik paragraph [0084], lines 1-4: system control application (i.e. system manager), server (i.e. provider) selected), wherein communication with said client device is redirected from said portal to said provider such that communication with said client device continues via said provider, said provider for performing said service on said item of content and for forwarding service result content (see Janik paragraph [0109], lines 1-4: content processed and forwarded to client) to said client device. (see Janik paragraph [0085], lines 5-13; paragraph [0084], lines 12-17: provide information to establish communication between server (i.e. provider) and client (i.e. data flow between client and content server) In addition,

Schaeck discloses selecting a provider of a type of service to be performed on said item of content. (see Schaeck paragraph [0053], lines 6-10; paragraph [0053], lines 15-20: selection of provider for selected resource (service); paragraph [0086], lines 3-6; paragraph [0087], lines 8-16; paragraph [0088], lines 1-8: software, computer product)

It would have been obvious to one of ordinary skill in the art to modify Janik as taught by Schaeck to enable the capability identify a service, and select a service provider for service processing. One of ordinary skill in the art would have been motivated to employ the teachings of Schaeck in order to enable the capability for transparent access by service requesters to remote location services. (see Schaeck paragraph [0012], lines 1-6)

With Regard to Claim 16, Janik discloses the system of claim 14 wherein said service manager sends information identifying said provider directly to said client device, bypassing said portal. (see Janik paragraph [0074], lines 9-11: source, designated URL, IP address displayed for client at GUI)

With Regard to Claims 18, 21, Janik discloses the system of claim 14 wherein a source of said item of content and type of service is identified by one of said portal, said service manager and said provider. (see Janik paragraph [0084], lines 1-4: system control application (i.e. system manager); paragraph [0084], lines 12-17: service identified, source identified for delivery to client)

With Regard to Claim 23, Janik discloses the system of claim 14 wherein said service is started up and executed in response to said client device establishing communication with said provider. (see Janik paragraph [0159], lines 15-25: service setup; paragraph [0160], lines 1-7: communications between client and server (i.e. provider) established)

With Regard to Claim 24, Janik discloses the system of claim 14 wherein said service manager directs said provider to start up said service upon selection of said provider. (see Janik paragraph [0084], lines 1-4: system control application (i.e. system manager); paragraph [0084], lines 12-17: provider selected, setup for service (i.e. content access))

With Regard to Claim 25, Janik discloses a system for streaming content to a client device, said system comprising: a service manager for receiving a request for an item of content from a portal (see Janik paragraph [0073], lines 19-24; paragraph [0074], lines 1-14: portal service for user requests), wherein said portal received said request from said client device, said service manager also for selecting a provider of a type of service to be performed on said item of content, wherein communication with said client device is redirected from said portal to said provider such that communication with said client device continues via said provider, wherein said item of content is streamed from a content source to said provider, said provider for performing said service on said item of content and for streaming service result content to said client device. (see Janik paragraph [0085], lines 5-13; paragraph [0084], lines 12-17: provide information to

establish communication between server and client (i.e. data flow between clients and content server; paragraph [0103], lines 1-2; paragraph [0160], lines 1-7: streamed delivery of content) In addition, the Schaeck prior art discloses said service manager also for selecting a provider of a type of service to be performed on said item of content. (see Schaeck paragraph [0053], lines 6-10; paragraph [0053], lines 15-20: selection of provider for selected resource (service); paragraph [0086], lines 3-6; paragraph [0087], lines 8-16; paragraph [0088], lines 1-8: software, computer product)

It would have been obvious to one of ordinary skill in the art to modify Janik as taught by Schaeck to enable the capability identify a service, and select a service provider for service processing. One of ordinary skill in the art would have been motivated to employ the teachings of Schaeck in order to enable the capability for transparent access by service requesters to remote location services. (see Schaeck paragraph [0012], lines 1-6)

With Regard to Claims 15, 26, Janik discloses the system of claim 25 wherein said service manager sends information identifying said provider to said client device via said portal. (see Janik (see Janik paragraph [0073], lines 19-24; paragraph [0074], lines 1-14: portal service for user requests, content information (URL, IP address) at portal interface)

With Regard to Claim 27, Janik discloses the system of claim 25 wherein said service manager sends information identifying said provider directly to said client device,

bypassing said portal. (see Janik paragraph [0192], lines 1-8: automated content download, server (i.e. provider) accessed directly by client for content delivery)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlton V. Johnson whose telephone number is 571-270-1032. The examiner can normally be reached on Monday thru Friday , 8:00 - 5:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Nasser G Moazzami/
Supervisory Patent Examiner, Art Unit 2136

Carlton V. Johnson
Examiner
Art Unit 2136

CVJ
July 7, 2008